

## WHAT IS CLAIMED IS:

1. A context synchronization method performed in a radio system having a client and server communicating with each other. comprising:
  - performing idle and normal procedures in the client;
  - performing a recovery procedure if an error occurs in performing the idle and normal procedures; and
  - performing a re-attach procedure and an activation procedure according to the error and an error occurring point.
2. The synchronization method of claim 1, wherein the client is a mobile station (MS) and the server is a network.
3. The synchronization method of claim 1, wherein the radio system is a general packet radio service (GPRS) system which deals with a packet communication.
4. The synchronization method of claim 1, wherein the radio system operates based on a protocol which includes peers having same information which is not frequently updated.
5. The synchronization method of claim 1, wherein the protocol includes a GPRS mobility management (GMM) protocol and a session management (SM) protocol.

6. The synchronization method of claim 1, wherein the error is a GMM failure.
7. The synchronization method of claim 1, wherein the error is a packet data protocol (PDP) failure.
8. The synchronization method of claim 1, wherein the error occurring point is at the MS or the network.
9. The synchronization method of claim 1, the recovery procedure comprising:  
discerning a point where a failure occurs; and  
transmitting information according to the point where the failure occurs.
10. The synchronization method of claim 9, wherein, in transmitting the information, if the failure occurs in the network, the network receives information of the MS by sending a packet paging with an international mobility subscriber identity (IMSI) to the MS so that the received information of the MS is used as information of the network.
11. The synchronization method of claim 10, wherein the information of the MS received by the network is an INFO type context information.

12. The synchronization method of claim 9, wherein, in transmitting the information, if the failure occurs in the MS, the MS performs a query procedure and transfers an INFO type context information to the network.

13. The synchronization method of claim 12, wherein, in the query procedure, the MS transfers a query type context information to the network and receives a response from the network.

14. The synchronization method of claim 13, wherein the response is a status information of a previous packet data protocol (PDP).

15. A context synchronization method in a mobile communication system comprising:

- selecting a cell in a network by a mobile station;
- registering the mobile station in the network;
- performing general idle and normal procedures; and
- performing a recovery procedure if a failure occurs.

16. The synchronization method of claim 15, wherein the mobile communication system is a packet communication system which includes a general packet radio service (GPRS) system.

17. The synchronization method of claim 15, wherein the mobile station functions as a client and the network functions as a server.

18. The synchronization method of claim 15, wherein the mobile station registers itself to the network through location update (LUP) or routing area update (RAU).

19. The synchronization method of claim 15, wherein the failure is one which occurs in the mobile station or the network.

20. The synchronization method of claim 15, wherein the failure is GMM failure or packet data protocol (PDP) failure.

21. The synchronization method of claim 15, the recovery procedure comprising:  
discerning a point where the failure occurs between the mobile station and the network; and  
transmitting information from the mobile station to the network according to the point where the failure occurs.

22. The synchronization method of claim 21, transmitting the information includes transmitting an INFO-type context information if the failure occurs in the network.

23. The synchronization method of claim 21, transmitting the information includes: if the failure occurs in the network, having the network sending a packet paging with an international mobility subscriber identity (IMSI) to the MS before the mobile station transmits the information.

24. The synchronization method of claim 21, having the mobile station transmit the information further comprising:

transmitting a query type context information if the failure occurs in the mobile station; and

transmitting an INFO type information to the network by receiving a response to a query.

25. A context synchronization method, comprising:

detecting a failure in a client; and

transmitting information to the client to resynchronize the client with a server.

26. The method of claim 25, wherein the failure includes a GPRS mobility management (GMM) error.

27. The method of claim 25, wherein the failure includes a packet data protocol (PDP) error.

28. The method of claim 25, wherein said information is one of status information or context information stored in the server.

29. The method of claim 25, further comprising:  
transmitting a query from the client to the server;  
transmitting INFO-type context message from the client to the server,  
wherein the client receives said information from the server in response to the query and INFO-type context message.

30. The method of claim 29, wherein said information include status information of a previous packet data protocol (PDP).

31. The method of claim 25, wherein the client is a mobile station and the server is a network in a mobile communication system.

32. The method of claim 31, wherein the mobile communication system operates according to a general packet radio service (GPRS) protocol.

33. A context synchronization method, comprising:  
detecting a failure in a sever; and  
transmitting information to the server to resynchronize the sever with a client.

34. The method of claim 33, wherein the failure includes a GPRS mobility management (GMM) error.

35. The method of claim 33, wherein the failure includes a packet data protocol (PDP) error.

36. The method of claim 33, wherein the information is one of status information or context information stored in the server.

37. The method of claim 33, further comprising:  
transmitting a packet paging with an international mobility subscriber identity (IMSI) from the server to the client, said information including an INFO-type context message transmitted from the client to the server in response to the packet paging.

38. The method of claim 25, wherein the client is a mobile station and the server is a network in a mobile communication system.